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DATE MAILED: 04/30/2010

NOTICE OF ALLOWANCE AND FEE(S) DUE

23117 7590 04/30/2010 NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203

EXAMINER				
GOLIGHTLY, ERIC WAYNE				
ART UNIT	PAPER NUMBER			
1714	•			

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/549,280	09/13/2005	Tomas Rosin	5373-2	2458

TITLE OF INVENTION: METHODS AND SYSTEMS FOR CLEANING HEAT-EXCHANGE SURFACES OF A HEAT EXCHANGE SYSTEM

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	07/30/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used to correspondence including d below or directed off tions	or transm ig the Pat ierwise in	itting the ISSU tent, advance or Block 1, by (a	TE FEE and PUBLICAT ders and notification of i) specifying a new corre	TON FEE (if requiremaintenance fees visionspendence address;	red). I /ill be and/or	Blocks 1 through 5 st mailed to the current (b) indicating a sepa	nould be completed where correspondence address as trate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Fee	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
23117 7590 043902010 NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203			R	Lb	Cer	tificate	of Mailing or Trans	mission g deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
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APPLICATION NO.	FILING DATE			FIRST NAMED INVENTOR	t .	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/549,280	09/13/2005			Tomas Rosin			5373-2	2458
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APPLN, TYPE	SMALL ENTITY	ISSU	E FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	3 FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES		\$755	\$300	\$0		\$1055	07/30/2010
EXAMINER ART UNIT		RT UNIT	CLASS-SUBCLASS]				
GOLIGHTLY, I			1714	134-022100				
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach	nge of Co Indication Indication Indication TO BE I	orrespondence on form f a Customer PRINTED ON T		o 3 registered pater wely, le firm (having as a agent) and the nam orneys or agents. If printed.	memb es of u no nam	er a 2 p to ie is 3	ocument has been filed for
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NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if req records of the United Sta	uired) wil tes Patent	I not be accepted and Trademark	from anyone other than Office.	the applicant; a regi	stered a	attorney or agent; or th	e assignee or other party in
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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23117 75	90 04/30/2010		EXAMINER		
NIXON & VANDERHYE, PC			GOLIGHTLY,	ERIC WAYNE	
901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203			ART UNIT PAPER NUMBER		
			1714		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 338 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 338 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/549,280	ROSIN, TOMAS	
Examiner	Art Unit	

	Eric Golig	htly	1714	
- The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMA or other ap GHTS. Th	AINS) CLOSED in this app propriate communication is application is subject to	olication. If not include will be mailed in due	ed course. THIS
 This communication is responsive to <u>response filed 19 Jan.</u> 	uary 2010			
The allowed claim(s) is/are <u>21-36</u>.				
3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* O; ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have https://documents.org/lines/field-copies of the priority documents have certified copies not received: ☐ Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Feilure to timely comply will result in ABANDONM THIS THREE-MONTH FERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitive of the North FERIOD IS NOT EXTENDABLE. 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ heretor of 2) ☐ to Paper No./Mail Date ☐ (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date ☐ Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in tile. 6. ☐ DEPOSIT OF and/or NINFORMATION about the depositationed Examiner's comment regarding REQUIREMENT.	been rece been rece cuments had of this come ENT of this stitted. Note as reason(s to be submit on's Paten as Amendme as Amendme as to of BIOI	ived. ived in Application No ive been received in this r munication to file a reply of a sapplication. the attached EXAMINER; b) why the oath or declarated. ttd. tt Drawing Review (PTO-d and / Comment or in the own to be written on the drawit coording to 37 CFR 1.121(c	complying with the recomplying attached wiffice action of the recomplyings in the front (not the 1).	quirements OTICE OF
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 19 April 2010 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		5. Notice of Informal P. 6. Interview Summary. Paper No Mail Dat 7. Examiner's Amendn 8. Examiner's Stateme 9. Other	(PTO-413), e nent/Comment	wance
/E. G./ Examiner, Art Unit 1714		/Michael Kornakov/ Supervisory Patent Exa	aminer. Art Unit 171	4
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EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bryan H. Davidson on 4/19/2010.

The application has been amended as follows:

Cancel claims 37-41.

- Claims 27 and 29 are rejoined and examined on the merits. Therefore, claims
 21-36 are allowed over the prior art of record.
- 3. The following is an examiner's statement of reasons for allowance:

The closest prior art references are: US 4,996,951 to Archer et al., which teaches a method of cleaning heat exchange surfaces of a heat exchange system, US 5,591,895 to Rigby, which teaches a method for detecting particles in a gas flow and US 6,325,025 to Perrone, which teaches a sootblowing optimization method. The prior art references of record, taking alone or in combination, do not anticipate or suggest fairly the limitations of: performing a cleaning cycle on heat exchange surfaces by cleaning sequentially differently located parts of the heat exchange surfaces, measuring the amount and/or type of released particles entrained in an exhaust gas stream so as to

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create particle measurement data associated with each of the respective differently located parts and linking together and storing into an electronic memory location information of the respective differently located parts and the respective particle data measurement data created during the cleaning cycle, in combination with the other step elements of the cleaning method as instantly recited. Upon further search no other prior art has been located at the date of this Office action.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Information Disclosure Statement

- Regarding the information disclosure statement filed 4/19/2010, reference US 6,325,025 to Perrone is already on the record.
- Any inquiry concerning this communication or earlier communications from the
 examiner should be directed to Eric Golightly whose telephone number is (571) 2703715. The examiner can normally be reached on Monday to Thursday, 7:30 AM to 5:00
 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Kornakov can be reached on (571) 272-1303. The fax phone Application/Control Number: 10/549,280 Page 4

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

EWG
/Michael Kornakov/
Supervisory Patent Examiner, Art Unit 1714